THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1931

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DISASTER COMMUNICATIONS

ANAND CHOUDRI, KC2KPG - RARA VICE PRESIDENT

Our topic for the September 2016 meeting will be "Amateur Radio in Disaster Communications: ARES-RACES-MARS, Which Service is Right for You." Ross Mazzola, KC2LOC has this to say about what he will discuss.

So Many Choices

The hobby of amateur radio is a great one for people who want to help others. It can range from one-on-one "Elmer-ing" of other hams, to helping out with RARA functions and activities to being an instructor in one of our RARA licensing classes or perhaps even a Volunteer Examiner (VE). For those who are interested in volunteer opportunities that are more "on-the-air", there's public service.

Public service is the part of amateur radio where hams get to practice what they've learned (and have fun) while providing assistance at some type of community event. Just look at the Public Service page on the RARA website and you'll find a variety of organizations and non-profits that are looking for assistance with their communications plans. I'm a big advocate of hams being involved in Public Service because it allows us to use our equipment, protocols, professionalism and systems in ways that are very similar to what would be needed in an actual emergency situation.

Thankfully, we don't see very many major emergencies in our area but we still need to be prepared for when that day might come. For hams that are interested in volunteering their time and talents in the emergency communications services, there are three main groups to consider - Amateur Radio Emergency Service (ARES), Radio Amateur Emergency Service (RACES) and the Military Auxiliary Radio Service (MARS). But what's the difference and which one is right for you?

To kick-off the new RARA meeting year, I have the pleasure of presenting a light but informative program titled "Amateur Radio in Disaster Communications: ARES-RACES-MARS, Which Service is Right for You?" on Wednesday September 7th (remember, the meeting is on a new night!). I have been a member of ARES and RACES for over ten years and a member of U.S. Army MARS for over five years and I've got lots to share with all of you about what each of these groups does and how much time and equipment you'll need. I'll also leave time for you to ask questions about being a volunteer in emergency communications to help you choose which organization is the right one for you. I hope to see you all there! – Ross Mazzola, KC2LOC.

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PREZ SEZ

WILL MULLANEY, KC2VSJ—RARA PRESIDENT

What's going on with the club? What have we been doing? Where are we going? Who is driving this bus? It's time to gear up for our yearly business meeting... Welcome to this, my final Prez Sez.

Wednesday, September 7th is our annual RARA business meeting, and it is especially important that you attend? Why is this? If you haven't been before we discuss things like the financial status of the club and where it's going, vote on issues like changes in the dues or amendments to the bylaws, and most importantly, vote on the officers for the next 12 months. If you're a full member in good standing, you get to participate in the discussion and vote. If you're not a member, or you're an associate member, you still can show up to hear what's going on, grab a doughnut, and check out the presentation afterwards.

Over the last two years we've gotten to see some cool things. We've moved to a great venue, re-established a hamfest, and are actively working on finding a suitable location for a club station. On that last subject, you'd be surprised how difficult it is to find 500 square feet of centrally located, handicapped accessible space that will allow antennas and 24x7 access for members, but the board keeps a careful eye open for the right space to come along. Imagine a radio club that actually has… radios for people to use!?!?! Crazy right? Especially ones that do not have to rely heavily on government or other non-profit organizations for spaces and resources. Worry not if you're in an apartment, have an HoA, or are looking at senior living; our club's persistence will eventually pay off.

Our banquet is also coming up in September on 23rd. Make sure you grab your tickets prior to the event, you can purchase them at a meeting or online. If you have membership points, you can trade those in as well. Need membership points? There is still time to help out on a public service event, and you can get an article together for an issue of the RAG or present at a future meeting to earn some points for next year's banquet or membership renewal. Don't forget that our banquet will include our club service award and presentation of some ham-related-products. Last year former club V.P. Gary Skuse walked away with some Porkslap Beer; who will be the "lucky" winner this year? It could be you. Unless your name is Gary Skuse… you're probably not going to win two years in a row. Hi.Hi.

Finally, as you may have noticed, I said this will be my "final" Prez Sez? What's that you say? Final??? How could this be?? Unfortunately, without Frank's… "management" of the induction of new members at our monthly meeting, I fear the club has gone soft. Accordingly, I've decided I need to get someone more forceful at the helm. Cobra Commander? Skeletor? Lord Voldemort? Darth Vader perhaps? You'd better read the nominations below and get to the meeting in September or you might be finding out the hard way!

In seriousness, some business and personal events have made it somewhat likely I may be moving out of the area during the term of the next RARA board. Rather than subject the club to a mid-year change of top level leadership, I have decided to cede the presidency upon completion of this term and move back to the position of a club director. It's been a great two years so far and I hope to be able to start a third fun and productive year. I thank you for your support and contributions during my time on the board so far and look forward to things to come.

73s,
Will, KC2VSJ

CALENDAR OF EVENTS

SEPTEMBER 7TH - RARA General Meeting

7:00 PM at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd

TBD - RARA Board of Directors

SEPTEMBER 17TH - RARA VE Testing

10:00 AM RIT Gleason Hall, Room 9-3139

SEPTEMBER 23RD - RARA Banquet

6:00 PM Burgundy Basin Inn

NEW MEETING DAY

RARA Meetings are be on the FIRST WEDNESDAY of the month

PUMPKIN PATROL 2016

Brad Allen, KB2CHY

Yep, just another 2 short months and we will be out on the bridges over the NYS thruway. I will ask all those who have participated in the past to please keep an eye on their email and respond to me right away. The proper way to respond is to place PUMPKIN PATROL 2016 for a new email in your subject line or if you get an email from me simply REPLY to it. Halloween this year falls on a Sunday and Monday evening. I prefer to have the same people take both nights if possible and the time needed may be from 7pm to midnight. This is a volunteer intensive event and very important albeit very boring at times. This is why we have the GOODIE PATROL, to stop out and visit with you and to be sure you are warm and have plenty to eat. Goodie Patrol is funded by quiet cash for both evenings. We get everything fresh as possible. We do not reuse drink from previous evening. It is all fresh and hot. Yes it costs a bit more, but it is worth it.

New Hams, this is a great event for you to start out in. All you need is a radio that will get into the 145.11 repeater. It also sets you up on how to survive on a cold evening. As you sign up, I will provide all the info needed for a fun safe evening. I will be glad to provide a double up if you are not sure about the event. Really, it can be a fun evening.

There is a web page for you to sign up on at the RARA website. This is fine, but I prefer a direct email with the instructions as above. I will respond to you. If I do not, the email got lost somewhere. Send it again or call my phone, see me at the meetings, etc. I am also occasionally on the 145.11 repeater. It is OK to sign up in multiple places. I sort it all out later.

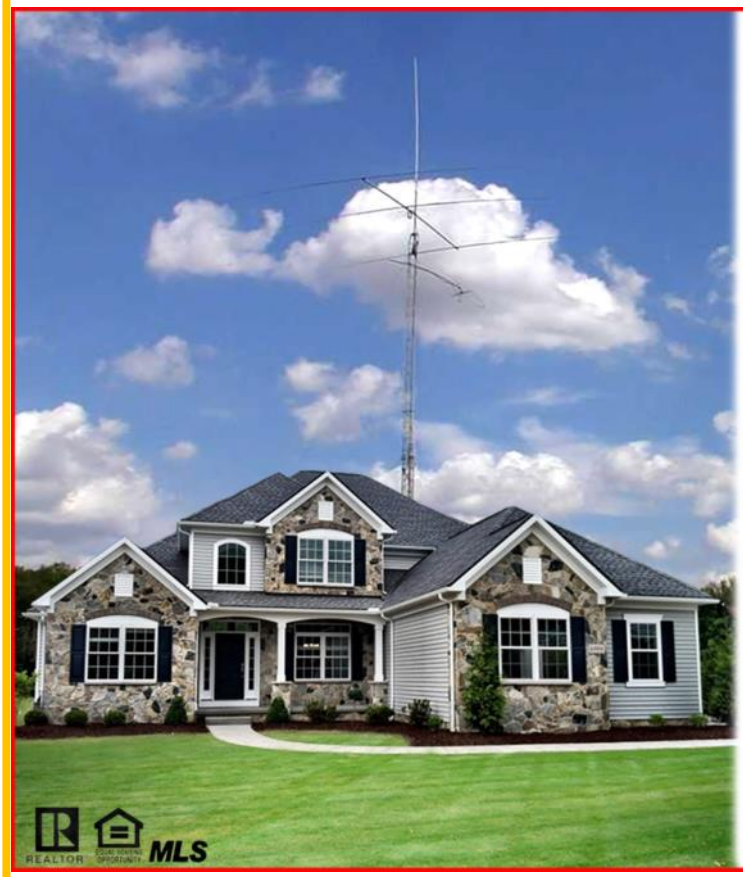
You can sign up on the RARA webpage AND send me an email. Email is **ballen@frontiernet.net** with and no quotes "PUMPKIN PATROL 2016" in the subject line. This places your email in a separate folder. Those that I have already sent an email to, well those who responded, the emails hit a glitch and I lost them in a restart. I will send a request once again.

My phone numbers are 585-247-3724 or 585-247-0251 for my home. LEAVE a MESSAGE. I will get it in my email. Call my cell, that I will most likely answer, but if need be, please leave a message there as well.

I wish to have the patrol all staffed and ready to go by the first part of October. If you wish to be a part of this event, be sure you have blocked out the time. I need to be done early to accommodate late changes.

Thanks in advance always for your participation and help. In advance, I thank Mike Rink for the use of the repeater.

PS, I will be looking for someone to take over this event from me in the future as I have my reasons for doing so. Brad Allen KB2CHY



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PUBLIC SERVICE UPDATE

Jim Stefano, Jr., W2COP

As HAM support for area events continues this year, we've only passed the halfway mark. Two area favorites take place in the month of September and you're invited to participate. New hams are welcome!

Erie Canal: Fairport Lift Bridge Regatta

Sunday September 18th, 2016

The regatta is held on the beautiful Erie Canal and finishes in the very picturesque Village of Fairport. The course is approximately 5,500 meters. A minimum of ten (10) ham operators are needed this day to provide the primary Safety Net for this water event. We, Hams, are needed aboard committee boats, rescue boats, and judge's boats during the entire event. Hams will be used at a couple of land based points as well. Food and drink will be provided.

Timeline:
7:00 AM – 3:00 PM

If sufficient operators are available, we can work in shifts. The race takes a break for lunch and all the safety boats and two land point staff will return to the Fairport Crew Club Boathouse. Please sign up via the RARA website at: **http://bit.ly/RARA_Fairport_Regatta_Sign-up_Form**

Lollipop Farm: Barktober Fest Walk for the Animals

Saturday September 24th, 2016

.

A minimum of twelve (12) ham operators are needed for this half day Run & Walk event. Hams provide safety communications for participants by summoning EMTs as necessary via Net Control. Specific tasks include; stationary communications at way points on the run and pedestrian communications on the walk. This two-in-one event consists of a five mile run early in the morning and a one and a half mile walk late morning. The Run and Walk both start in Egypt Park (adjacent to Lollypop Farm). The run course will have operators stationed at good viewing points along the course for safety. The walk course, with over 400 people and nearly as many dogs, will have Hams walking at intervals intermixed with the walkers. This provides a great chance for positive recognition for ham radio by the human walkers. Go to **http://bit.ly/RARA_Barktoberfest_Sign-up_Form** to sign up.

ATTN: Team Captain still needed for Barktober Fest! Email **w2cop@arrl.net** asap if interested.
73's - Jim
W2COP

RaRa Banquet

September 23, 2016

6:00 PM

Dinner at 7:00 PM

Burgundy Basin Inn

1361 Marsh Road

Don't forget to buy your tickets!

Members: $15 or 30 Membership points

Non-members: $20

NO tickets will be sold at the door.

NOMINATING COMMITTEE REPORT

Gary R. Skuse, Ph.D.

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Fairport, New York 14450-9527

585.223.1511
gary@skuse.com

31 August 2016

Will Mullaney, KC2VSJ
President, Rochester Amateur Radio Association (RARA)

Dear Will,

The RARA nominating committee, comprised of myself (chair), Max Kelley, KC2SPY and Chris Stennie, KD2HNR, recommends the following individuals for the positions indicated.

President: Forest Shick, WA2MZG

Vice President: Anand Choudri, KC2KPG

Treasurer: Ryan Tucker, W2XH

Secretary: Tim Guyot, KB1POP

Board of Directors:

Tim Barret, K9VB
Don Keiser, AC2EV
Will Mullaney, KC2VSJ
Mark Pederson, KC2UES
Frank Schramm, WB2PYD
Betsy Tascione, KD2DYU
Natalie Tascione, KD2DYV

Thank you for giving me the opportunity to chair this important committee. If you have any questions about our recommendations please do not hesitate to contact me.

Sincerely,

Gary R. Skuse, Ph.D., KA1NJL

Biographys of Candidates for Officers and Board of Directors of the Rochester Amateur Radio Association

Forest Shick, WA2MZG
Candidate for President

I am currently on the Board of Directors and the acting Secretary for the board. I am also the editor of the RARA RAG. For the 2016 hamfest, I led the team of people that were responsible for procuring the 70+ prizes that were available at the hamfest.

I have been interested in electronics since I was 12 years old. I have been a ham and a life member of ARRL for over 40 years. I have a BSEE from Indiana Institute of Technology in Fort Wayne, Indiana. My electronics career started at Motorola Communications Division where I worked on UHF & VHF land mobile and rail transit radios. Next I worked at Harris RF Communications in the VHF / UHF land mobile radio group. Next a small company designing battery operated, microprocessor controlled instruments for monitoring: power, toxic and explosive gas, air quality and other parameters. Finally retiring after owning my own electronics design and consulting business.

It was during my first year at IIT that I became a ham. I passed the Technician test so I was able to operate the club station while improving my code speed to pass the Advanced license test. I held an Advanced class license until I recently passed my Extra class exam.

My ham radio interests lean more towards building and experimenting than rag chewing, although I would really like to build up my code skills to operate CW once more. My latest mode of interest is JT65. I have made contacts that qualify as 1000 miles per watt. For example Japan using 5 Watts.

I offer my technical background to help further RARA's goals of expanding amateur radio in the Rochester area. My skills as an Engineering Manager, I was responsible for all the engineering areas in the company, will provide the tools to assist me as President of the RARA Board of Directors.

To be sure, I am not a total electronics nerd, I play, guitar, drums, piano, clarinet and have other non electronic skills.

I would be honored to be RARA President for the next year.

Anand Choudri, KC2KPG
Candidate for Vice President

I have served the club for the past two years on the Board and this past year as Vice President. The Board has been discussing how we can improve the club and there are many excellent ideas that I wish to explore with the other Board members. Therefore, I would like to continue as your Vice President for the coming year.

I have been involved in Amateur Radio for the past fourteen years and my main area of interest has been in public service and emergency communications. I spend whatever time I can to learn more about this hobby and am thankful to all the members who have generously guided me.

It is my hope that you will allow me to serve you in the capacity of Vice President of RARA for the coming year.

Thank you.
Anand Choudri, KC2KPG

Tim Guyot, KB1POP
Candidate for Secretary

In 2007, with some support from Dave Snyder (KC2REO) I entered the amateur radio world picking up my technician's license. A year later I upgraded to general.

How'd I get there? I've always had an interest in electronics, preferring tools, phones, and power cords over toys. In high school I was the technical manager of our 230W FM station for two years. I also did stage, lights, and sound for events. Growing up in New Hampshire, CBs were still fairly popular and I had one before I even had a car to put it in. In college at RIT, I met a few others who had CBs, but I as soon as I learned about power limits (I've always been a legal CB operator) and antenna efficiency, I quickly became interested in amateur VHF operation instead. While at RIT, I worked with Jim Stefano (W2COP) and Dave Snyder (KC2REO) to help maintain K2GXT radio equipment and EchoIRLP repeater while at RIT.

I'm mainly a VHF/UHF operator. I have volunteered to support many events involving cycling or running. (BikeMS, AIDS Rochester Red Ribbon, Rochester Marathon, Etc.) and I look forward to more. This year I was the traffic lieutenant, working under Pete Fournia (W2SKY) for RARA HamFest 2016.

My primary areas of interest are UHF-10m antenna design and field operation. For the club, I'm looking into factors to help increase younger membership to help keep our club and hobby strong.

Ryan Tucker, W2XH
Candidate for Treasurer

After joining the RARA Board of Directors last year, I wasn't entirely certain of what to expect. With most organizations, I find finances in disarray, spotty records, and a corporation on the brink of disaster. Not so with RARA! Through the diligence and skill of Betsy Tascione(KD2DYU) and her predecessors, our next Treasurer will have an excellent start and very big shoes to fill.

During my year on the Board, I assisted with a handful of financial activities, including serving as the Hamfest Financial Operations Captain. In this role, I was responsible for the "game day" cash and ticket accounting team. Working with Betsy and the Hamfest team, we brought together time-tested accounting mechanisms (e.g. the patent-pending Goslee NCR System) and developed new methods, some of which are applicable across the various events we run throughout the year.

Outside of RARA, I serve as Treasurer of the Rochester/Finger Lakes Chapter of Pride at Work AFL-CIO, a constituency group uniting organized labor and the lesbian, gay, bisexual, and transgender (LGBT) communities. I also serve as Treasurer and Club Station Trustee for Interlock Rochester (K2HAX), Rochester's longest-running hackerspace.

In my copious free time, I work as an Electrical Engineer at Harris Communication Systems, primarily on Advanced Development projects. I've been involved with the Susquehannock Trail Performance Rally (STPR) in various roles, including stage radio operator, net control operator, and official vehicle co-driver, for over a decade. My non-radio hobbies include road rally, bicycling, home "improvement," and helping my mechanics pay their mortgages. I'm also married to the Most Glorious KC2VJU (née VA3RWD), aka Dawn, and have more than 500 followers on Twitter.

Mark Pedersen, KC2UES
Candidate for Board of Directors

Growing up, I was fascinated by radio and still am. I had two neighborhood friends (Jamie, KF2B, and Fred, N2AIK) who each earned a novice license (and spoke to each other in Morse code). Jamie experimented with TTY, built a mechanical Morse sender (for CQ), and worked pileups on SSB phone. I've spent time in the radio room of the USS NIMITZ, borrowed PRC-77 radios for drill, and made suggestions to the New York Naval Militia on radio communications. Finally, in 2008, I took a class with Brad, W1YX, whom I'd met through his public service to Fairport Crew Club. I subsequently passed the Technician test given by the local VEs at RIT. Since then, I have worked several public service events (some with Anand, KC2KPG), participated in a VHF contest, bought (and tried to build) antennas, purchased more HTs than I can use at one time, and longed to communicate even longer distances. Spurred on by the need to have at least a General license so I could fulfill my volunteer position at K2BSA at the National Scout Jamboree next year, I upgraded to General in May. In

July, I borrowed an HF rig, antenna, and tuner from Dick, N2QKL, and made my first HF contacts from an off-the-grid set up at Babcock-Hovey Boy Scout camp, Seneca Lake. That was exciting. My contacts included New Jersey and Pennsylvania on 40 meters, and Indiana on 10 meters.

I fully support RARA's public service to the community, the Rochester Hamfest, which I would like to see occur annually, RARA's educational endeavors, all from which I, and I am sure many others, have benefitted, as well as the VE program. Serving on the board of directors would be my way of paying RARA back for the benefits I've received from it and its members.

Don Kiser, AC2EV
Candidate for Board of Directors

I learned early on which end of the soldering iron was hot and have been interested in Ham radio since I was 12 years old. While spending the weekend in a hotel outside of Dayton in 2009 an antenna farm popped up in the parking lot renewing my interest in ham radio. I am currently an Extra class and life member of RARA. I am currently the VE team leader.

When I'm not with my children or on the radio I enjoy programming Arduino microcontrollers. I've also been spending time re-conditioning IBM Model M (buckling spring) keyboards. Many of you probably remember using these in the late 80s to mid 90s. They're awesome keyboards that are a pleasure to type on.

I work as Software Engineer for a company based in Rush but my work takes me all over the world and into just about every manufacturing process. My job is to program the machines and visual interfaces that the operators will use. I have made sponges, car parts, snack chips, ammunition, pharmaceuticals, chemicals, paper, film, printer ink, glass, and most recently yogurt. I hope to bring a "younger" view that will keep RARA one of the biggest and best clubs in the area.

Frank Schramm, WB2PYD
Candidate for Board of Directors

I won't waste a lot of print space for this as most of you already know me as a past President, license class instructor, the picnic burger flipper, or something like that; I have held a variety of offices in RARA over the years. I feel privileged to be asked to sit on the Board of Directors for another term and I look forward to continue working on the numerous initiatives started by the 2015-2016 board. I have been licensed since 1977 and my on–air activities usually take me to the HF bands chasing DX contacts on voice or digital modes.

Betsy Tascione, KD2DYU
Candidate for Board of Directors

I became a ham in 2012. My main interest is on emergency communications; thus, I keep up on my SKYWARN training. As a way to learn more about ham radio, I immersed myself in the club. I love the camaraderie and the friendships I have made since joining the hobby and the Board.

I have served as your club's Treasurer for the past two years. This year, it will be an honor to continue to serve on the Board of Directors. As I have personally been blessed by volunteering, I really encourage everyone in RARA to volunteer their time and abilities to our club, as well.

Just in the past two years, the club has found a fantastic new location with abundant parking for our club meetings, has continued to offer an array of speakers and meeting topics, and has introduced a breakout session for new hams during some of our monthly meetings. My goal is for the club to expand learning opportunities and workshops for all levels of hams.

Tim Barrett, K9VB

Candidate for Board of Directors

Born and raised in the UK, I am married to a Rochesterian and re-located to the Rochester area from London in 2004. I have had a lifelong interest in radio and electronics, first becoming licensed in the UK as G7NYA in 1987 and later as M0TIM. On moving to the US one of my first actions was to get my Extra ticket and become a member of RARA (Life member since 2006). My main interests are HF and restoring or repairing old radio gear and test equipment. I am also interested in the technical / theoretical side of the hobby although I am not an electronics engineer by profession. Other interests are hiking, gardening, astronomy and music. If elected I will seek ways to forge links with the Astronomy Section of the Rochester Academy of Sciences to further possible common interests such as radio astronomy and propagation.

We are very fortunate to have such a great club in the Rochester area. I have served as Membership Secretary for the past two years and on the Board of Directors for the past year. I am now seeking re-election to the Board of Directors and looking forward to contributing further in any way that I can.

Natalie Tascione, KD2DYV

Candidate for Board of Directors

My name is Natalie Tascione, KD2DYV. I am 18 years old, and I am preparing to graduate from nursing school in November as a Licensed Practical Nurse. I am also getting ready to be married next summer to Andrew Cook, a young man who has not been a stranger to RARA. Amidst all of the excitement, I look forward to serving for my second year on the Board of Directors. This year will be my first full term serving because I was specially voted onto the Board on my 18th birthday in January.

William Mullaney, KC2VSJ

Candidate for Board of Directors

My name is William Mullaney and my call-sign is KC2JSV. For the past year, I've served as club president and as a director for the year prior. During the past two years, the board has collectively done several noteworthy things to advance the club. We restarted the hamfest, and after a bit of turbulence, brought its management back in house. We've moved to new club meeting space with help from the BSA and recently moved our meetings to a new date to help those who cannot attend on Friday evenings. We've hosted two successful banquets, winterfests, and summer cookouts. Our public service operations continue to be successful, with our team building new technology into events and streamlining process. Club membership numbers are doing well, and we continue to reach out to new members to help grow the club. Club funding remains in the black thanks to judicious use of the club's checkbook. Our training and educational efforts have been strong over the past two years, and our VE team has completely and successfully revamped their process for testing with very positive feedback as a result.

As part of the board of directors, my goal is to continue to grow club membership, member involvement, and benefits to members. A priority to accomplish this is to continue the search for club space to allow members to meet and access RF gear at their leisure. This endeavor helps those that cannot run a rig at home (apartment dwellers, people who live in HOAs, and those moving to senior living communities), and provides a common space and set of equipment to help those newer to the hobby to learn more and do more with their club membership.

For some personal information roughly paraphrased from prior years, I'm a Henrietta resident who works in IT consulting for enterprise customers, an avid skier, a cyclist with over 1,200 miles for the year, and someone who generally enjoy getting out of the house in the company of friends whenever I have some free time. I frequently try to involve amateur radio, be it HT's on the slope, riding as a sweep or operating net control for public service events, or just trying some new stuff like fox hunting or AMSAT communications.

TIME FOR RARA MEMBERSHIP RENEWAL!

Tim Barrett K9VB, RARA Membership Secretary

Yes, it's that time again! Our membership year expires on September 30th so dues need to be paid before then to avoid a break in membership. The best way to pay is via **our website** where you can use Paypal or print a note to send in with your check. You can also find me at our September meeting and pay me there or just send a check to me at: RARA Membership Secretary, PO Box 93333, Rochester NY, 14692. Remember you will need to be a current member to attend our upcoming and always popular auction in November!

Once you have paid I will send you an email confirming receipt and update the database to show your membership status. That can take a few days when there are a lot of renewals so don't worry if it doesn't happen immediately.

Dues are being held at the same level as previous years which I hope you will agree is good value! Our rates are:

Full Member		$15
Associate	$10	(Members who are not licensed amateurs)
Senior	$10	(65 or over)
Family	$5	(Each additional member)
Student	Free	(22 or under)
Life	$300	(Senior $200)

If you have been awarded points for club activities don't forget that you can use these towards your membership dues. If you think some points are missing from your account please email me and I will look into it.

Thanks for paying promptly – it makes the administration so much easier!

JAMBOREE ON THE AIR - JOTA

Stephen Fell, K2SRF

October 15 is the date for Jamboree on the Air (JOTA). The Boy Scouts will be on the air all day making contacts with Scouts all over the world. It will be held at BABCOCK HOVEY located along the east shore of Seneca Lake. It is about half way down the lake. There are places to sleep over night and all meals are free. Anyone interested please call Steve Fell at 585-233-7706 or **K2SRF@ROCHESTER.RR.COM**

All bands all, modes. We will be inside an unheated building, with power.

TECHNICIAN CLASS LICENSING COURSE

Frank Schramm, WB2PYD, Education Coordinator

Registration is now open for the Fall semester!
The course will be held on Tuesdays at 7:00pm - 9pm, RIT, September 20 through November 22.

The course is free to RARA members, $15.00 for non-members.

The ARRL Ham Radio License Manual 3rd Edition, can be purchased directly from the ARRL for $29.95 + S/H (**http://www.arrl.org/shop/Licensing-Education-and-Training/**) or on the first day of class. RARA members can purchase the book at the discounted price of $22.50!

Total price for members: $22.50, non-members $15.00 + $29.95 = $44.95
If you are not a member join TODAY on-line at **www.rochesterham.org/Membership.htm**

Reserve your seat in the class by contacting Frank, **WB2PYD@Gmail.com**.

ASRAS - SOLAR RADIO TELESCOPE

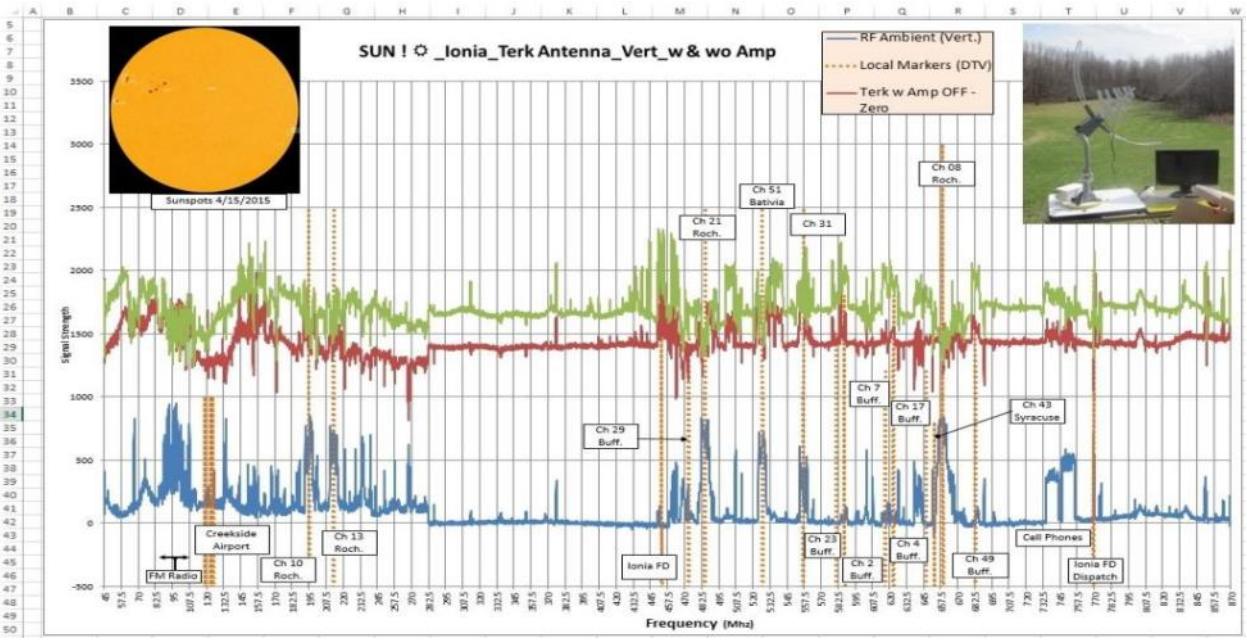
Martin Pepe

RARA members take note!

The Solar Radio Telescope is a project to Study the RF emissions from Solar disturbances (Sunspots, Prominences, and CME's). It's an autonomous 2 meter dish with a sensitive receiver, tuned to the DTV band (45 – 890 Mhz.) that can track the Sun regardless of the weather (clouds, rain, snow). It is part of the Callisto solar network, and is a combined project from ASRAS, RIT and U of R.

Last year we successfully demonstrated this concept at the RIT Imagine festival in May.

This year we showed a 'proof of concept model' of Sun signals with local EMI interference (DTV channels 8, 10 & 13), and showed a method of removing the interference mathematically (below), that works with 'fixed location emitters'. The green & red traces are Solar RT signals (green - w a low noise amplifier, red – without amplifier). The blue trace is the local interference (DTV, radio, etc.). Note the channel 8 TV signal (~ 657 Mhz) removed from the 'processed' signal (Blue arrow – below).



Our plan for the 2016 -17 school year is to refine this rough concept, and get the system operational and on-line. Plans call for an internet data link for our data to be sent to Zurich, SZ. This will enable global helio-scientists to better predict the impact of solar storms on Earth. We'll be the only station on the eastern seaboard, north of the equator.

Look for periodic updates in the RARA RAG newsletter.

The next ASRAS meeting is on:
September 9, 2016 @ 7:30 pm. @ RIT: Gosnell Science Bldg;
1st floor room A-300 lecture hall Jefferson Road Rochester, NY 14623

ASRAS Club Link – **http://www.rochesterastronomy.org/**

ASRAS 'Why Radio' website - **http://www.rochesterastronomy.org/radio-astronomy/why-radio/**

eCallisto website - **http://e-callisto.org/**

We are planning on a combined meeting sometime next year, maybe when the Solar_RT has it's 'first light' and goes on-line, in Ionia, N. Y.

Sincerely,
Marty Pepe
mjpastro@aol.com

A Rare Little Find at Batavia

Bill Hopkins, AA2YV

If you were born fifteen years before 1982 and were active as a ham by that time, you might remember a cute little QST rig, a 10-watt wonder assembled by Doug DeMaw (W1FB/SK), scion of the QRP world for so many years.

So here I was, on my last cruise through the Batavia Hamfest; sellers were thinning out - the grand prize had just been announced.

I went back down the line and stopped at the table with that old QRP rig I had spied about 8:30. Would the seller take a lower price? Pause. Yes. So I had my one hamfest "rig" purchase of the day. The seller said something about the preamp. He was the thoughtful sort, who brought along all the paperwork for this homebrew item.

In general, the rig was in good shape. I brought it home, and over the past five days I've brought it to *better* life. I've made one QSO (Minnesota) so far, and I tried unsuccessfully for a contact with R1FF (St. Petersburg Russia).

The preamp wasn't working for two reasons. First, the DPDT switch to activate the preamp was faulty. There was an open circuit when switchted to "preamp." (This rig really needs the preamp.) I bought a TPDT switch to bring over the 12 volts for the preamp and switch that on as well, according to the schematic. As it was, the preamp had always been "on," being wired to the 12 volt buss.

The other major problem was with the preamp itself. I could not get it to peak. The input T1 tank circuit (from the antenna) has a 5-25 pfd trimmer; the schematic called for 30 pfd. A bit low, I thought, so I added 22 pfd in parallel, to swing it higher. I did this after I tried to peak an injected signal. The touch of a small metal screwdriver to the trimmer cap suddenly made the preamp "come alive." "Aha," I thought. It does need more capacitance. I added 22 pfd to the underside of the PC board. At the same time I added 22 pfd to the toroid "L" in the output to give a boost to both input and output. Then, I put it all back together and powered up.

No luck. I decided that there must be a problem with the winding of the transformer on the toroid at the preamp input. I assured myself that it was properly wired. But had the 20's-some gauge wire been sufficiently cleaned before being soldered to the board? So I decided to remove it, rewind and try again. Cover all bases, I say.

As I looked closely underneath the PC board to work out my mini plan of action, I spied an ever-so-small solder bridge from the input pad for the coax from the antenna. That will do it!, I said to myself, even if there could be a still bigger problem I have yet to discover.

THIS bridge had to go. I left the padding caps I had installed; "try it with my improvement," I thought. I put everything back together and powered up the rig.

Now there was life in the preamp! I easily peaked both the transformer (T) and the inductor (L), and now the receiver is

hot. That screwdriver touching the trimmer and my hand had provided enough capacitance in the circuit and a "wireless" connection to the nearby antenna coax to make me think the circuits simply needed more capacitance. "Never trust RF and certainly not a previous solder job," are my mottos.

With 10 watts output, I made a crazy-easy contact into Minnesota - the first QSO with this rig in possibly 35 years! Sam, the very loud R1KK in St. Petersburg was another matter. He was 599 in QSB, but the Germans were getting all the attention. No luck for me this time. I'll try again tonight.

The radio is a 1982 vintage schematic mix-n-match by Doug DeMaw (W1FB/SK) and was showcased in two articles in the 1982 QST Magazine. This is not a transceiver, but a transmitter-receiver combo that uses two VXO's (variable crystal oscillators) that vary the frequencies. A spotting push-button connection on the front panel permits a centering of the transmit frequency onto the received signal (i.e., split frequency QSO's are possible!). The receiver uses a 17.6 mHz crystal in a superhet architecture to permit about 30 KHz of receive coverage from the bottom of the CW portion on 20 meters. The radio's 14.025 crystal in the transmitter circuit gives me about 19 KHz wiggle room for QSO's. The hang-time on key-up is up to one second, which HAS to be changed. To do this, one simply reduces the electrolytic in the TR switch down from 10 mfd. If I wanted *true* break-in keying, I would eliminate the capacitor and install reed relays. Not going to go that far. It's a historical piece, after all.

I cleaned up some other wiring, rerouted and replaced some 12 volt lines with red wire. Otherwise, everything else is the same. I just may add more heat-sink to the two Motorola MRF 476's, but my Hammerlund HQ-129X - an AWA Auction purchase - is calling me, and I need to re-populate it with caps and resistors to make it its new December 1945 self again.

Silent Key

Beth A. Rhodes
KB2UJZ
July 29, 2016

Silent Key

Frederick A. Fischer
AA2TI
August 28, 2016

RaRa Rags of the Past

Ed Gable, K2MP – RaRa Club Historian

20 Years Ago, September, 1996

As we start reporting another RaRa season of regular monthly happenings we'll begin with our new officers and Board. At President we find Art DeBruycker W2YGW ably assisted by VP George Lloyd N2UIO. Tom Lange N2VSM records the happenings as Secretary and money matters are handled by Treasurer Richard Goslee K2VCZ. You elected the following members to the Board of Directors: Lloyd Caves WB2EFU, Neal Eckhardt WB2EKP, Keith Freeberg N2BEL, Dave Hassett K2SQI, Ed Holdsworth N2EH, Chris Reich WB2DYJ and Jack Tripp N2SNL. In normal fashion each of the above RaRa leaders had their telephone numbers published so that members could easily contact them. This year there were funny tags with some of them with an "@" symbol in the wording. Yes, e-mail has arrived. In his first writing as program chairman, George Lloyd N2UIO, introduced the first program with presenters Chris Shalvoy N2PEB, Fred Gern KB2SE and Ed Gable K2MP. The topic was DX'ing and the art of QSL'ing. In an effort to put RaRa in the lime light of all Rochester area Radio Amateurs, it was the practice to mail the September Rag to every ham listed in the RaRa Directory regardless of membership status. As such, this issue was very large with representatives from each local ham radio club writing to entice new interest and membership. The list is too large to review in detail but let's recognize those authors who publicized your club. Lloyd Caves, WB2EFU, wrote on RaRa and Public Service. "The Prez Says" by Art DeBruycker, W2YGW, introduced RaRa in general. George Platteter, AA2FO, wrote on Licensing Classes. Ev Tupis, WB2ELB, wrote for the VHF Club while Chris Shalvoy, N2PEB, did the same for the RDXA. J.H. McMullin, N2MXG, introduced the RRRA and the Rochester Area Packet Society (RAPS) was made known by Jack Tripp, N2SNL. Ed Gable, K2MP, wrote to introduce the ARRL Awards program, the activities of the Antique Wireless Association and his usual "Years Ago" articles. With regret it was reported that Charles Kolz, N2VDM, was reported as a Silent Key. From the Want Ads you could buy a direct coupled CES Touch Tone pad from Irv Goodman, AF2K. Snyder and Snyder Attorneys at Law (Sherwood W2KFU) remained a long term advertiser.

the RaRa Rag

Published by
ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL. 49 — September 1996 — NO. 1

SEPTEMBER MEETING PRESENTATION TO FEATURE HF CONTESTING AND DXING

As program Chairman I am pleased to announce that at our September 6th meeting we will be visited by some of the areas most active HFers who will discuss a variety of subjects concerning DXing , HF contesting , the use of the various modes and something important to all hams, the art of QSLing.

Chris Shalvoy N2PEB, Fred Gern KB2SE and Ed Gable K2MP of RDXA fame, will share with us their knowledge and expertise on this very interesting aspect of the hobby. DX ing in general is a fascinating subject alone but that's not the only subject that will be discussed. We will be treated to a discussion on the fine points of HF contesting which, I'm sure, will be helpful and informative to each and every one of us. For those of us that desire to learn more about HF activity, this is a wonderful opportunity that shouldn't be missed. I for one will be looking forward to this exciting presentation. Lastly, there is one very important subject that will be touched on that is of interest to all amateurs no matter what band you prefer. That is the art of QSLing. Every radio amateur enjoys sending and receiving QSLs. As the ultimate "Thank-you", we will learn how to more efficiently use the QSL concept. There is more to QSLing than meets the eye it seems and here is a chance to clarify any questions that you may have about it. I would like to thank in advance Chris, Fred and Ed for taking the time to visit us and share their valuable knowledge and experience on this fascinating aspect of amateur radio. I sincerely hope that this presentation will inspire some of our newer radio amateurs to UPGRADE and get involved! There is so much available to us and here's your chance to see it all. Don't miss it!

As the old saying goes, "If you snooze, you lose!"

DE George Lloyd, N2UIO

RaRa MEETING
September 6, 1996
8:00 P.M.
Henrietta Fire Hall
3129 East Henrietta Road
HF Contesting and DXing

WAS and VUCC Awards Checked Locally

by Ed Gable K2MP

The very popular ARRL awards, Worked All States (WAS) and VHF/UHF Century Club (VUCC) can be applied for and approved through RaRa, an ARRL Special Service Club. The WAS Award is for confirmed contacts with all fifty states on any band and any mode combination. The WAS award can also be customized for single band, single mode as well as the coveted five-band WAS. The VUCC Award is for working a certain number of Grid Squares on VHF/UHF bands of 50 Mhz and above. QSL cards are needed as proof of contact. To apply for either of these awards contact Ed Gable, K2MP, at 3923088, Packet to NG2P on 144.91, or e-mail to emg@rfc.comm.harris.com. Good hunting !

Buffalo Hamfest
September 21, 1996

SILENT KEY
Charles J. Kolz
N2VDM

The RaRa Rag

Published by
The Rochester Amateur Radio Association
INCORPORATED

VOL. 29 — SEPTEMBER 1976 — NO. 1

W2CNS/8 West Virginia VHF/UHF DXpedition Featured at First 1976-77 Season RaRa Meeting

by Lester D. Mehicons AKA W2MPM

In welcoming you back to another season of RaRa activities we have planned a program that will undoubtably prove to be most interesting and entertaining.

This past summer, Bob Nezelek, W2CNS, and eight other normally sane VHF/UHF enthusiast operated the June VHF QSO Party from Mineral County West Virginia. The logistics of moving complete all mode stations from Rochester, covering all bands 50 through 1296 mhz, complete with towers, antennas, and living quarters was no easy task.

Bob, and the "Panel of Experts," with the aid of a slide presentation, will entice us with what it took to work some 96 sections and amassing 50 thousand points.

I understand we will also find out what to do when poisonous (?) snakes decide to take up housekeeping on your guy wire anchors!

Along with W2CNS, the operators for this possible annual event were: WB2BGJ, K2LZF, WB2EVC/2, WB2KAO, WA2SEY, WB2WVL, K2LDU, and WB2ZKD.

Remember, this is your club. As this years VP and Program Chairman I am very anxious to hear from you, the members, concerning your ideas on programming or other RaRa activities. Your opinions will be heard, 5 by 9+.

The meeting will be held at the regular RaRa location, the Monroe County Farm and Home Center, 249 Highland Avenue, just east of South Avenue (across from Highland Park). The meeting starts at 8 p.m. on Friday, September 10th.

1976-77 Meeting Calendar

RaRa meets on Friday:
September 10, 1976
October 8, 1976
November 5, 1976
December 3, 1976
January 7, 1977
February 4, 1977
March 4, 1977
April 1, 1977
May 6, 1977
June is a Saturday picnic.

PRESIDENT'S CORNER

Jim Collinsworth, WB2EDT

Your officers and directors are working to make RaRa serve you better and to provide meaningful meetings, and services through the forthcoming club year.

Please pass along your helpful suggestions regularly to me and to your board (listed in each "Rag" issue). Also, jump in and participate in local activities. RaRa exists to help all aspects of amateur radio in our community -- to help individual hams; to provide a core of support for special interest groups such as affiliates like the VHF Group and repeater groups; to provide training for those interested in obtaining or upgrading licenses; to provide communications support for public service and emergency needs; to provide information and education to all hams; to enhance the operation of ham radio; to help represent amateur radio's best interests in FCC or legislative actions; and to provide activities that help you get the most value out of the amateur radio service.

RaRa can be successful in these endeavors only to the extent that we have your support, your thoughts, your cooperation, encouragement and even your membership. If you have never been a member--give us a try. We will try to keep the "Rag" informative and valuable. Our new program chairman, Ed Gable, W2MPM, is lining up the best series of meeting programs ever. RaRa and affiliates will continue to be in the forefront of providing public service and activities. If you have been a member in past years, rejoin us and help keep us on track, improving and progressing. Tell us where we can improve, and work with us. If you have always been a member--great--renew and keep a good thing going.

Sept. Meeting Date Changed!

It has been the rule that RaRa shall meet on the first Friday of each month, September through May for many years. The rule is still in effect.

In September (and October), we will bend the rule to cause the first meeting to be held on the second Friday, September 10. Remember, we meet on the second Friday, September 10.

The change was made because of Labor Day weekend holidays.

In October, we shall deviate from the rules again and cause that meeting to be held on the second Friday, October 8.

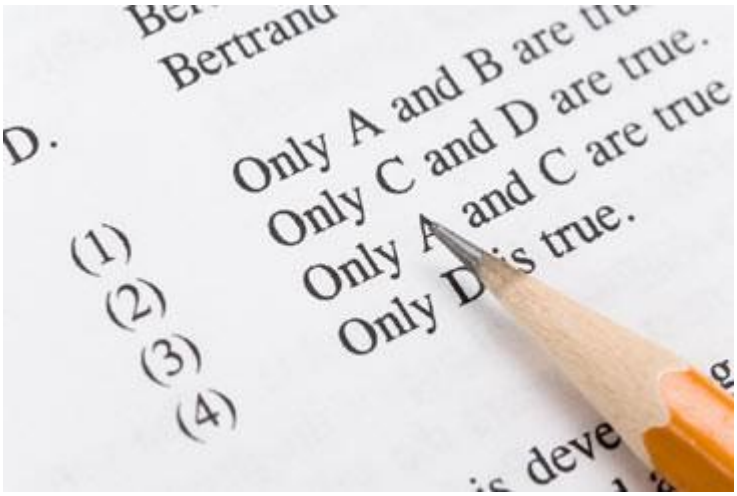
40 Years Ago, September , 1976

Starting their new year in 1976 were officers Jim Collinsworth WB2EDT (N2EH) as President, Ed Gable W2MPM (K2MP) as Vice-President, Alan Komenski WB2ZFM (AC2K) as Secretary and Len Gessin WA2ZNC (Same call !) as Treasurer. On the Board were Otto WB2RJB, Bob W2NVZ, Ed WA2EKR (N2EH), Ron W2HXP (K2RJ), Bill WA2CER, Harold WA2KND (K2HC) and Ralph (Bud) Young WA2UGE. Program Chmn Ed Gable, W2MPM, introduced Bob Nezelek, W2CNS, who reported on his successful VHF/UHF DXpedition to West Virginia as W2CNS/8. Operating 50 through 1296 mHz, the team worked 96 ARRL Sections during the June VHF QSO Party. Bruce Kelley, W2ICE (sk) wrote an interesting article describing his Elmer, Perry Esten, W8BOX (W2PN, 5Z4PN, XDJ0PN, KR6PN… more) and his first 201A two watt transmitter. Dwight Hill, K2KWK, revealed his weekly 2 meter FM Official Bulletin Station operating alternately between the .79 and .88 repeaters. Recent RaRa activities included a station set up at the Monroe County Fair, Communications for a balloon race and a road rally and RaRa's June Picnic. From the Want Ads you could buy a Swan 6 meter SSB transceiver from Len, WA2ZNC. CQ, The Radio Amateur's Journal, remained a long term advertiser.

VE Team

License testing resumes Saturday September 17th.
RIT Gleason School of Engineering, Room 3139
Use “J” parking lot
Registration at 9:45
Testing begins at 10AM

Don Kiser - AC2EV
RARA Board member
VE Team Leader
585-613-1035



RaRa Calendar

Tim Barrett, K9VB

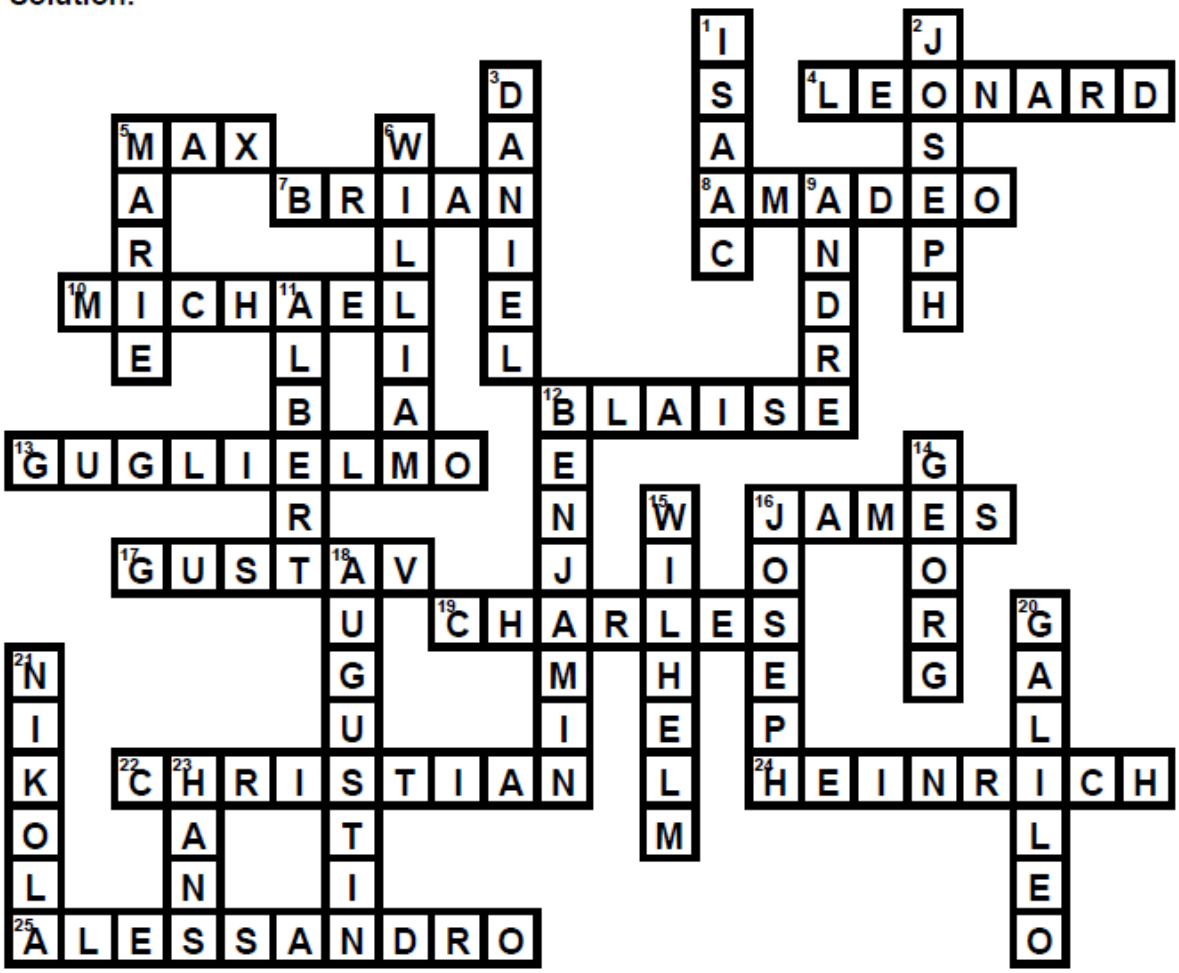
September 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 QRP Fox Hunt NCCC Sprint	**2**	**3** Russian RTTY WW Contest All Asian DX Phone RSGB Field Day IARU Rgn 1 Fld Day CO QSO Party
4 All Asian DX Phone RSGB Field Day IARU Rgn 1 Fld Day TN QSO Party DARC 10M Digi Ctst	**5**	**6** Phone Fray	**7** **RaRa Monthly Meeting and AGM** 7:00pm, BSA HQ, 2320 Brighton Henrietta TL Rd SIARC 7.30pm UKEICC 80M Contest	**8** NCCC Sprint	**9**	**10** WAE DX Contest SSB SARL Field Day SKCC Sprint Russian Digi Contest Ohio St Pks ARRL VHF Contest
11 WAE DX Contest SSB SARL Field Day SKCC Sprint Russian Digi Contest ARRL VHF Contest	**12**	**13** Phone Fray	**14**	**15** NCCC Sprint	**16**	**17** ARRL 10GHz and Up Contest Scandinavian Ctest All Africa DX Ctest NJ, NH QSO Parties WA Salmon Run
18 ARRL 10GHz and Up Contest Scandinavian Ctest All Africa DX Ctest NJ, NH QSO Parties WA Salmon Run	**19** Run For The Bacon QRP Contest	**20** RDXA 7.30pm Phone Fray	**21**	**22** NCCC Sprint	**23**	**24** ARRL EME Contest CQ WW Ctest RTTY ME, TX QSO Parties Elmira Hamfest Horesheads NY
25 RL EME Contest CQ WW Ctest RTTY ME, TX QSO Parties	**26**	**27** Phone Fray 220 MHz Sprint	**28** SKCC Sprint	**29** NCCC Sprint	**30**	

Print this calendar and leave it by your radio.

FAMOUS PHYSICISTS' FIRST NAMES

Solution:



ACROSS

4 EULER
5 PLANCK
7 JOSEPHSON
8 AVAGADRO
10 FARADAY
12 PASCAL
13 MARCONI
16 CLERK MAXWELL
17 KIRCHHOFF
19 AUGUSTIN DE COULOMB
22 DOPPLER
24 HERTZ
25 VOLTA

DOWN

1 NEWTON
2 HENRY
3 BERNOULLI
5 CURIE
6 GILBERT
9 MARIE AMPERE
11 EINSTEIN
12 FRANKLIN
14 OHM
15 WEBER
16 FOURIER
18 FRESNEL
20 GALILEI
21 TESLA
23 CHRISTIAN OERSTED

News From Area Clubs

Monroe County ARES / RACES News

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend.

The next ARES Meeting will be held on: **Thursday, September 22, 2016, at 7:00 PM.**
Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 8:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountyemcomm.org

Severe Weather Alerts:
Winter brings severe weather in the form of heavy snow and strong winds. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

NBEMS: Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2016.

Rochester Radio Repeater Association, RRRA

The Rochester Radio Repeater Association, RRRA invites you to attend the September 16th 2016 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 pm. The program will be on becoming a Volunteer examiner.

The RRRA officers for 2016 - 2017 are Bob Odell, N2BZX-President, Bob Shewell, N2HJD-Vice President, ED Wilkonski, KC2WM-Secretary, and Bob Smith, NS2B-Treasurer .

RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site www.k2rra.org

Rochester VHF Group

The Rochester VHF Group holds monthly meetings on the second Friday of the month between September and June. Meetings begin at 7:30 PM and are held at the Spencerport Wesleyan Church, 2653 Nichols St. (NY Route 31) in Spencerport. Visit our website www.rvhfg.org for details.

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting www.rvhfg.org or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

Rochester DX Association, RDXA

RDXA will begin their 70th year in 2017 and plan several spectacular presentations as well as a year long operating event. In September, Jeff Ach, W2FU will discuss "remote" station operation, a relatively new aspect of our hobby. As you are well aware, Jeff has assembled a "super station" that many local contesters have had the pleasure of operating and is the

owner of Green Heron Engineering. W2FU consistently places and often wins many ARRL and CQWW contests and is respected around.

Meeting: Tuesday September 20, 2016
Time: 7:30PM
Location: Monroe County EOC Building, upstairs
1190 Scottsville Road, Rochester, NY 14624

XRX Amateur Radio Club

The XRX Amateur Radio Club's next meeting will be 6 PM on September 8, 2016 at the Webster Recreation Center. Stay up-to-date at **http://xarc.us**

Squaw Island Amateur Radio Club, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begin at 6:30PM. The next meeting will be September 14th which will be the election of club officers for 2017. Please attend so that you have a say in who runs and represents your club. 73's Steve Benton VP SIARC WB2VMR

Amateur Radio Association of the Southern Tier

ARAST meets the third Thursday of every month at the Town & Country Fire house in Horseheads. C-CARES meets the first Tuesday of the month except February. C-CARES covers the entire area in Chemung , Schuyler and Steuben Counties and everyone is welcome.

There are a lot of things coming up, Including the September hamfest September 24th and the Wineglass marathon on October 2nd . The Wineglass has finished it's enrolling of runners so we expect a large group of runners for 2016(over 3600) . Help is always needed for the wineglass and the southern tier in the fall is always a good day trip around that time of year . If you wish to help out with the Wineglass just drop an email to **emergencycoordinator@stny.rr.com** (New address). We could use as many communicators as possible.

Don't forget to mark your calendars for the hamfest September 24, 2016 located at the Chemung County Fairgrounds in Horseheads , NY. Presale tickets now available from any board member for the price of $6.00 ($8.00 at the gate).

Our website is undergoing construction however I understand that until the re-write is complete, it will still be usable. So go ahead and check out our website at **www.arast.org** .

Community Amateur Radio Club, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7pm. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9pm (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30pm on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: www.**k2srv.org**

Digital Communications Association of Perinton, DCAP

DCAP members continue to experiment with leading edge digital communications modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and public **DSTAR hotspots** (using the dvrptr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a **DV-Mega-Raspberry PI** combination. DCAP meets for breakfast at 7am nearly every Saturday morning at **Rikki's Family Restaurant** in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL of 110.9 Hz.

Interlock Rochester - K2HAX - Rochester's Hackerspace

Here's some of our events for the month of September:

- Friday, September 2, 7:30pm: **Rochester 2600** - **http://www.rochester2600.com/** - **http://meetu.ps/2W7z5J**
- Tuesday, September 6, 7pm: **Member Meeting & Presentations & Open House**, open to the public - **http://meetu.ps/2W6NVF**
- Friday, September 9, 7pm: **Wireless Meetup** - **http://meetu.ps/2Yrsjq**

- Tuesday, September 13, 8pm: **How Do I... A Seminar Series** (Topic TBD) - **http://meetu.ps/2WcZQt**
- Friday, September 16, 7pm: **The Open Organization of Lockpickers (TOOOL) Meeting** - **http://tooolroc.org/** - **http://meetu.ps/2Wf6TT**
- Saturday, September 17, 12pm to 4pm: **Linux Workshop** - **http://meetu.ps/2WgGgZ**

Best wishes to Jon Szymaniak, KD2HBA, on his move to Chicago! Jon has long been a regular of our Wireless Meetup, and is a veritable font of knowledge on SDR, embedded system design, and punk music.

Interlock Rochester is open every Tuesday night at 7pm. We're in the Hungerford Building (1115 East Main Street, Rochester NY), just north of Village Gate. Come to Door #7 (next to Comics Etc) and buzz Suite 200. Want to know more? Visit our website at **http://www.interlockroc.org/**, contact us at **info@interlockroc.org**, or find us in **#interlock** on Freenode IRC.

Genesee Valley Amateur Radio Association

Genesee Valley Amateur Radio Association - Presents - A Technicians Class Seminar To Assist In Getting Your Amateur Radio License
$20 – Includes Testing Fee - Saturday October 22, 2016 - 9am to 6pm
Avon EMS Base - 5582 Lake Road - Avon, NY 14414
This seminar is based on Gordon West, W5YI, Technicians Class Book. This is required to take the class. It can be purchased on line at: **http://www.w5yi.org/catalog.php**
RSVP as space is limited by October 1st to: Billy Boyd – **N3DSP@lafireline.net** or 585-315-6607 Or Russ Morreale – **rusmor@rochester.rr.com** 585-721-5136

HAMFESTS

Saratoga County Amateur Radio Assoc.

Sunday, September 11, 2016
Ballston Spa, NY 12020
www.K2DLL.org

Lancaster NT - Hamfest

Sunday, September 11, 2016
Lancaster, NY 14086
Lancaster Amateur Radio Club

Elmira Hamfest

Saturday, September 24, 2016
Horseheads, New York
www.arast.org

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

VISIT THE RARA WEBSITE!

Did you know that your club's website (**www.rochesterham.org**) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the RAG in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings

RaRa Marketplace

Your commercial ad could be here! The RaRa Rag can help spread the word on your business at very reasonable rates.

Contact us for details at editor@rochesterham.org.

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Office Hours
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90 Erie Canal Drive | Rochester, NY 14626 | P: (585) 225-5883

Promote Your Business With RaG Advertising

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Call 585-210-8910 or email Secretary@RochesterHam.org.

RARA is an IRS 501.c.3 non-profit Consult with your tax advisor.

Get your message through!
Advertise in the RaRa RAG -
Read by over 8,000 radio enthusiasts each month.
For more information: Editor@RochesterHam.org

RaRa Officers

Officers

President: William Mullaney, KC2VSJ	(585) 749-7363	kc2vsj@arrl.net
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October RAG Deadline

September 15, 2016

RARA meets at 7PM on the first Wednesday of each month; come join us at:

Seneca Waterways Council, BSA Headquarters

2320 Brighton Henrietta Town Line Rd

Rochester, New York 14623

Get Directions

Rochester Area Repeater Listing

Rochester Area Radio Club Contacts

Antique Wireless Association (AWA)
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Community Amateur Radio Club (CARC)
Joe Gangi, AC2NB: ac2nb.carc@gmail.com

Digital Communications Association of Perinton (DCAP)
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Chris Shalvoy, K2CS: cshalvoy@att.net

Rochester Radio Repeater Association (RRRA)
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Rochester VHF Group (RVHFG)
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XRX Amateur Radio Club
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THE RARA RAG

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